

01
1. (Three Times Amended) An electrical connector system, comprising:
an electrical connector adapted to receive a mating connector; and
a temperature sensor on said electrical connector positioned to detect a surface temperature of the mating connector when said mating connector is received in said electrical connector and positioned to allow insertion and removal of said mating connector to and from said electrical connector.

02
9. (Three Times Amended) An electrical connector for an electronic card, comprising:
a header;
a frame associated with said header to guide the electronic card into engagement with said header; and
a temperature sensor [associated with said frame] positioned to detect a surface temperature of the electronic card when said electronic card is engaged in said header, said temperature sensor and positioned to allow engagement and removal of said electronic card with and from said header.

03
16. (Twice Amended) An electrical connector system for an electronic card, comprising:
an electrical connector;
a frame associated with said electrical connector;
a temperature sensor [associated with said frame] positioned to detect a surface temperature of the mating connector when said mating connector is inserted in said electrical connector, said temperature sensor positioned to allow insertion and removal of said mating connector with and from said electrical connector; and
a transition board, said electrical connector and said temperature sensor connected to said transition board.

04 17. (Amended) The electrical connector system as recited in claim 16, wherein said connector and said temperature sensor are discretely connected to said transition board.

Claims 26-33 have been **newly added** as follows.

26. (Newly Added) The electrical connector system as recited in claim 1, wherein the temperature sensor is positioned to directly detect the surface temperature of the mating connector.

27. (Newly Added) The electrical connector system as recited in claim 1, wherein the temperature sensor is positioned immediately adjacent the mating connector to detect the surface temperature of the mating connector.

ps 28. (Newly Added) The electrical connector for an electronic card as recited in claim 9, wherein the temperature sensor is positioned to directly detect the surface temperature of the electronic card.

29. (Newly Added) The electrical connector for an electronic card as recited in claim 9, wherein the temperature sensor is positioned immediately adjacent the electronic card to detect the surface temperature of the electronic card.

30. (Newly Added) The electrical connector system for an electronic card as recited in claim 16, wherein the temperature sensor is positioned to directly detect the surface temperature of the mating connector.

31. (Newly Added) The electrical connector system for an electronic card as recited in claim 16, wherein the temperature sensor is positioned immediately adjacent the mating connector to detect the surface temperature of the mating connector.

32. (Newly Added) An electrical connector system, comprising:
an electrical connector adapted to receive a mating connector; and
a temperature sensor on said electrical connector positioned to directly detect a temperature of the mating connector when said mating connector is received in said electrical connector and positioned to allow insertion and removal of said mating connector to and from said electrical connector.

33. (Newly Added) An electrical connector system, comprising:
an electrical connector adapted to receive a mating connector; and
a temperature sensor on said electrical connector positioned immediately adjacent the mating connector to detect a temperature of the mating connector when said mating connector is received in said electrical connector and positioned to allow insertion and removal of said mating connector to and from said electrical connector.

REMARKS

Claims 1-19 stand rejected and claims 20-25 stand withdrawn from further consideration. Applicant maintains the patentability of claims 1-25.

Claims 1-19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,102,708 to Kimura, hereinafter "Kimura," in view of U.S. Patent No. 6,139,361 to Przilas et al., hereinafter "Przilas." It is respectfully submitted that claims 1-19 are allowable over the cited references for the reasons set forth below.

Claims 26-33 have been newly added to further define the invention.